

AD-A110 285 FOREIGN TECHNOLOGY DIV WRIGHT-PATTERSON AFB OH  
SLIDE SWITCH, (U)  
DEC 81 V V YEFREMOV, D A CHIKUNOV  
UNCLASSIFIED FTD-ID(RS)T-1327-81

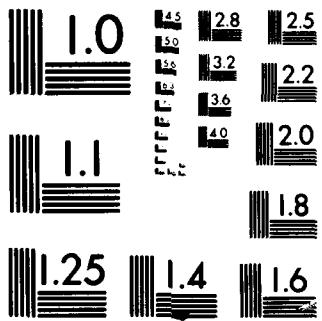
F/6 9/1

NL

1  
AD  
S  
100



END  
DATA  
FILED  
P-B2  
DTIC



MICROCOPY RESOLUTION TEST CHART

NATIONAL BUREAU OF STANDARDS

10  
FTD-ID(RS)T-1327-81

# FOREIGN TECHNOLOGY DIVISION

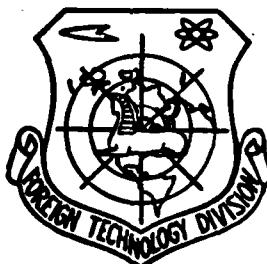
ADA110285



SLIDE SWITCH

by

V.V. Yefremov and D.A. Chikunov



RTIC  
FEB 2 1982  
S D  
A

Approved for public release;  
distribution unlimited.



82 02 01 071

RTIC FILE COPY

FTD-ID(RS)T-1327-81

## EDITED TRANSLATION

FTD-ID(RS)T-1327-81

30 December 1981

MICROFICHE NR: FTD-81-C-002053

SLIDE SWITCH

By: V.V. Yefremov and D.A. Chikunov

English pages: 2

Source: USSR Patent Nr. 205896, 2 Dec 1967, pp. 56-57

Country of origin: USSR

Translated by: Victor Mesenzeff

Requester: USAMICOM

Approved for public release; distribution unlimited.



THIS TRANSLATION IS A RENDITION OF THE ORIGINAL FOREIGN TEXT WITHOUT ANY ANALYTICAL OR EDITORIAL COMMENT. STATEMENTS OR THEORIES ADVOCATED OR IMPLIED ARE THOSE OF THE SOURCE AND DO NOT NECESSARILY REFLECT THE POSITION OR OPINION OF THE FOREIGN TECHNOLOGY DIVISION.

PREPARED BY:

TRANSLATION DIVISION  
FOREIGN TECHNOLOGY DIVISION  
WP-AFB, OHIO.

FTD-ID(RS)T-1327-81

Date 30 Dec 19 81

U. S. BOARD ON GEOGRAPHIC NAMES TRANSLITERATION SYSTEM

Block	Italic	Transliteration	Block	Italic	Transliteration
А а	А а	А, a	Р р	Р р	Р, r
Б б	Б б	Б, b	С с	С с	С, s
В в	В в	В, v	Т т	Т т	Т, t
Г г	Г г	Г, g	Ү ү	Ү ү	Ү, ü
Д д	Д д	Д, d	Ф ф	Ф ф	Ф, f
Е е	Е е	Ye, ye; Е, e*	Х х	Х х	Kh, kh
Ж ж	Ж ж	Zh, zh	Ц ц	Ц ц	Ts, ts
З з	З з	Z, z	Ч ч	Ч ч	Ch, ch
И и	И и	I, i	Ш ш	Ш ш	Sh, sh
Й й	Й й	Ү, у	Щ щ	Щ щ	Shch, shch
К к	К к	K, k	Ь ь	Ь ь	"
Л л	Л л	L, l	Ү ү	Ү ү	Ү, y
М м	М м	M, m	Ь ь	Ь ь	'
Н н	Н н	N, n	Э э	Э э	Е, e
О о	О о	O, o	Ю ю	Ю ю	Yu, yu
П п	П п	P, p	Я я	Я я	Ya, ya

\*ye initially, after vowels, and after ү, ү; е elsewhere.  
When written as ё in Russian, transliterate as yё or ё.

RUSSIAN AND ENGLISH TRIGONOMETRIC FUNCTIONS

Russian	English	Russian	English	Russian	English
sin	sin	sh	sinh	arc sh	sinh <sup>-1</sup>
cos	cos	ch	cosh	arc ch	cosh <sup>-1</sup>
tg	tan	th	tanh	arc th	tanh <sup>-1</sup>
ctg	cot	cth	coth	arc cth	coth <sup>-1</sup>
sec	sec	sch	sech	arc sch	sech <sup>-1</sup>
cosec	csc	csch	csch	arc csch	csch <sup>-1</sup>

Russian	English
rot	curl
lg	log

## SLIDE SWITCH

V. V. Yefremov and D. A. Chikunov

The existing slide switch, which contains a sliding contact whose body encloses a spring-loaded ball detent, which is used simultaneously as one of the elements of the switching mechanism, a base equipped with the contact elements, and a guide strip located between the sliding contact and the base, is not very reliable and has a relatively short service life.

In the slide switch being described, the improved reliability of its operation is achieved by the fact that the guiding strip is provided with a hole which holds an additional ball, which is pressed against the upper contact bar by a ball detent in the operating position of the sliding contact.

The switch is shown in the drawing.

Spring-loaded ball detent 2 is located inside the sliding contact 1. The guiding strip 4 is between the sliding contact 1 and base 3. Base 3 is equipped with the upper 5 and lower 6 contact bars, which are connected to leads 7 and 8. Screw 9 is used to regulate the contact pressure. Guiding strip 4 is provided with hole 10 containing the auxiliary ball 11. When the sliding contact 1 is moved to the right, the ball detent 2 leaves seat 12 and having reached hole 10 (operating position of the sliding contact) slips into it partially, thereby pressing the auxiliary ball 11 to the upper bar 5 which, as it bends, makes contact with the lower bar 6, thereby connecting the external circuits,

which are attached to leads 7 and 8.

#### Patent Claims

The slide switch, which consists of a sliding contact, inside of which is a spring-loaded ball detent, which is used simultaneously as one of the switching-mechanism elements, a base equipped with the contact elements, and a guide strip located between the sliding contact and the base, is distinguished by the fact that in order to improve the operational reliability of the switch the guide strip is provided with a hole containing an auxiliary ball, which is pressed to the upper contact bar by the ball detent in the operating position of the sliding contact.

